

INTERNATIONAL SEARCH REPORT

Inter	Application No
	PC I/GB2004/005452

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H01L21/18 H01S5/026		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01L		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, INSPEC, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>AIMEZ V ET AL: "HIGH PRECISION METAL MASKING FOR MULTIPLE WAVELENGTH LASER DIODE FABRICATION USING SINGLE STEP ION IMPLANTATION INDUCED QUANTUM WELL INTERMIXING" PROCEEDINGS OF THE SPIE, SPIE, BELLINGHAM, VA, US, vol. 4087, 12 June 2000 (2000-06-12), pages 607-615, XP009002640 ISSN: 0277-786X cited in the application the whole document</p> <p>-----</p> <p>WO 01/67497 A (NTU VENTURES PTE LTD; FINNIE, PETER, JOHN; OOI, BOON, SIEW; LAM, YEE,) 13 September 2001 (2001-09-13) abstract</p> <p>-----</p> <p style="text-align: center;">-/-</p>	1-36
A		1-36
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.		<input checked="" type="checkbox"/> Patent family members are listed in annex.
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the International filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed		
T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search 28 June 2005		Date of mailing of the international search report 06/07/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer Le Meur, M-A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 6 027 989 A (POOLE ET AL) 22 February 2000 (2000-02-22) abstract -----	1-36

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Patent document cited in search report	Publication date		Patent family member(s)		Publication date
WO 0167497	A	13-09-2001	WO 0167569 A1 WO 0167499 A1 AT 280445 T AU 774678 B2 AU 3583001 A AU 775026 B2 AU 3583601 A BR 0109069 A BR 0109073 A CA 2398301 A1 CA 2398359 A1 CN 1416607 A CN 1416589 A DE 60106575 D1 EP 1262002 A1 EP 1261986 A1 WO 0167568 A1 WO 0167497 A1 JP 2003526918 T JP 2004500715 T MX PA02008451 A RU 2240632 C2 RU 2239258 C2 US 2002003918 A1 US 2002004253 A1 ZA 200205930 A ZA 200205931 A		13-09-2001 13-09-2001 15-11-2004 01-07-2004 17-09-2001 15-07-2004 17-09-2001 07-12-2004 26-11-2002 13-09-2001 13-09-2001 07-05-2003 07-05-2003 25-11-2004 04-12-2002 04-12-2002 13-09-2001 13-09-2001 09-09-2003 08-01-2004 14-05-2004 20-11-2004 27-10-2004 10-01-2002 10-01-2002 24-07-2003 18-08-2003
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

28 June 2005

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Name and mailing address of the ISA

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